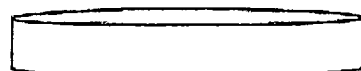
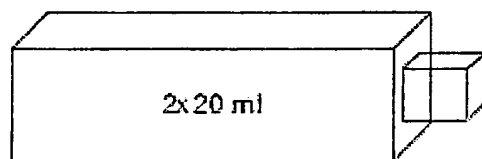
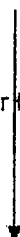


1/6

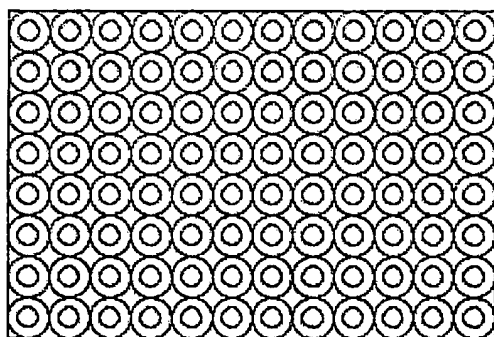
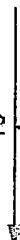
Protocol 1
Generation of EBs from high-density
cell suspension4 ml suspension with 2×10^6 ES cells/ml

Agitation for 6 h at 50 rpm

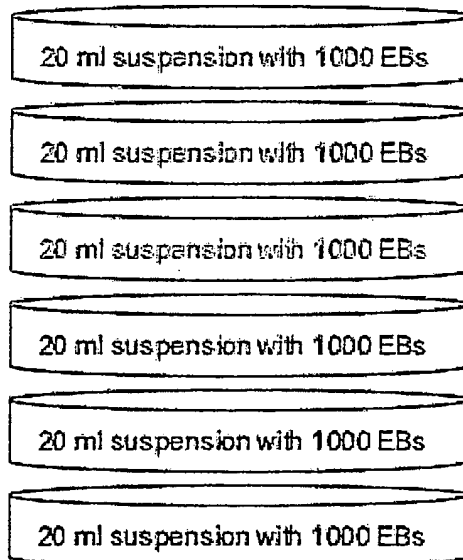
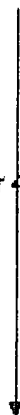


Dilution 1:20 into 2 T25 flasks

Agitation for 12 - 18 h at 50 rpm

Final dilution and sorting of single EBs into
96-well plates, adding of test compounds**Protocol 2**
Generation of EBs from low-density
cell suspension10 ml suspension with 0.2×10^6 ES cells/ml

Agitation for 48 h at 50 rpm

Final dilution of EBs after 48 h, suspension
culture for differentiation of cardiomyocytes**Fig. 1**

2/6

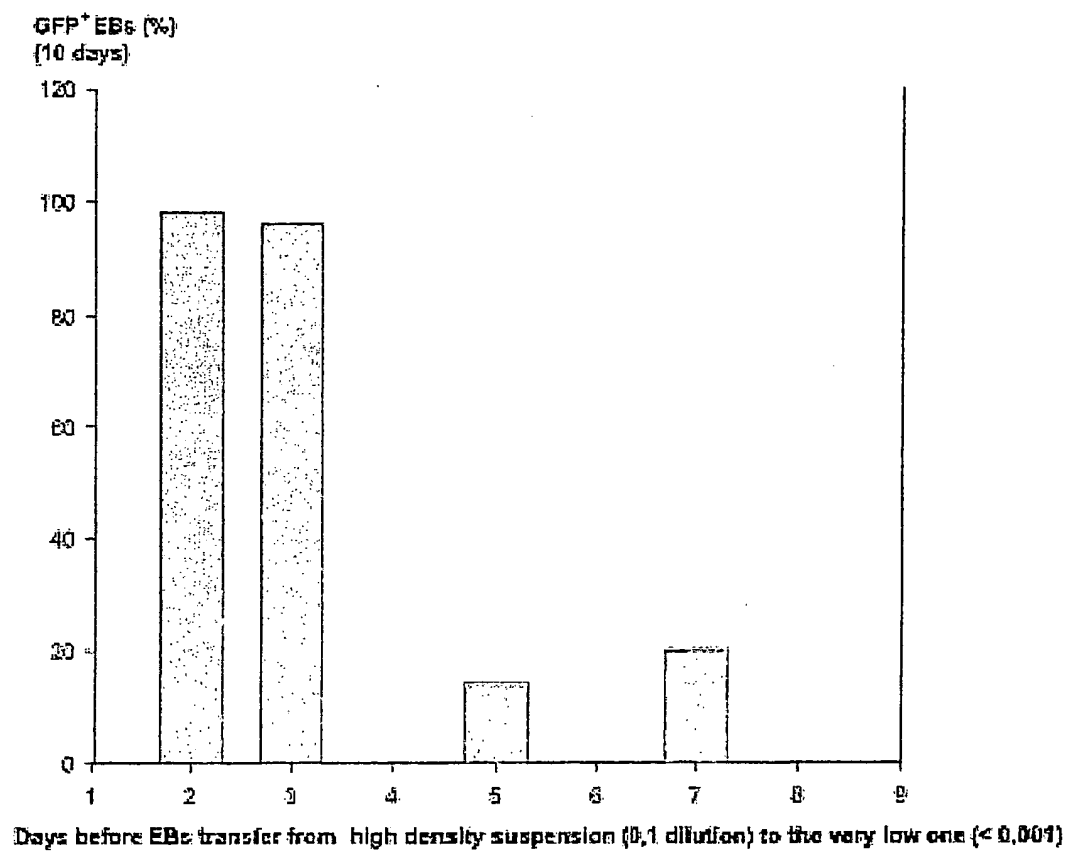
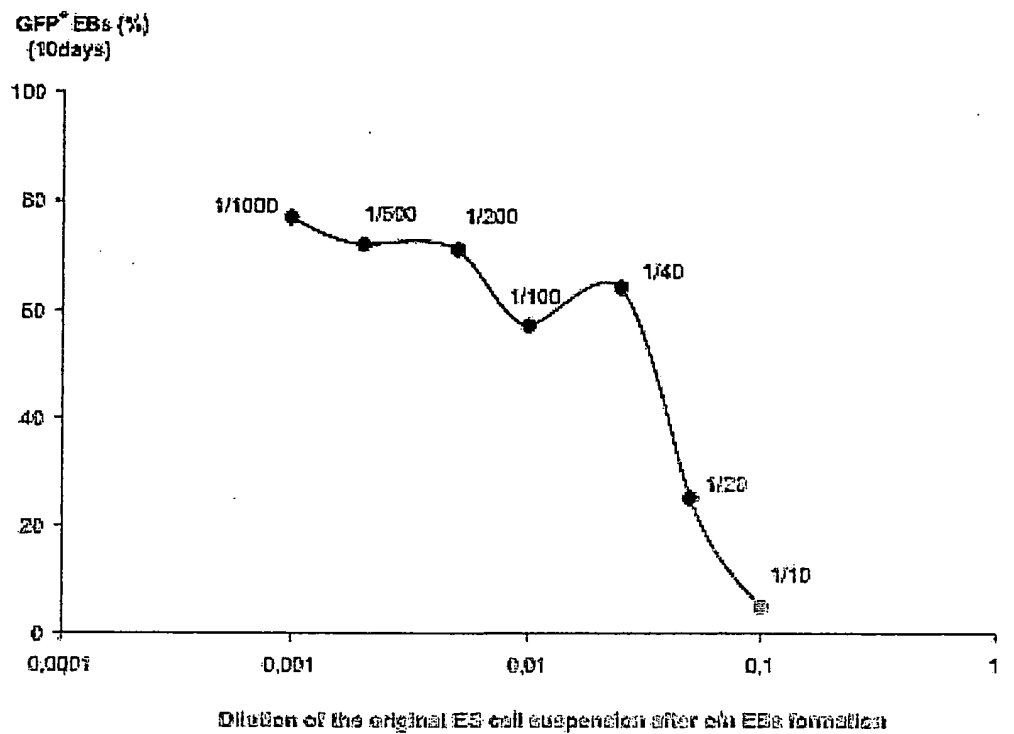


Fig. 2

3/6

**Fig. 3**

4/6

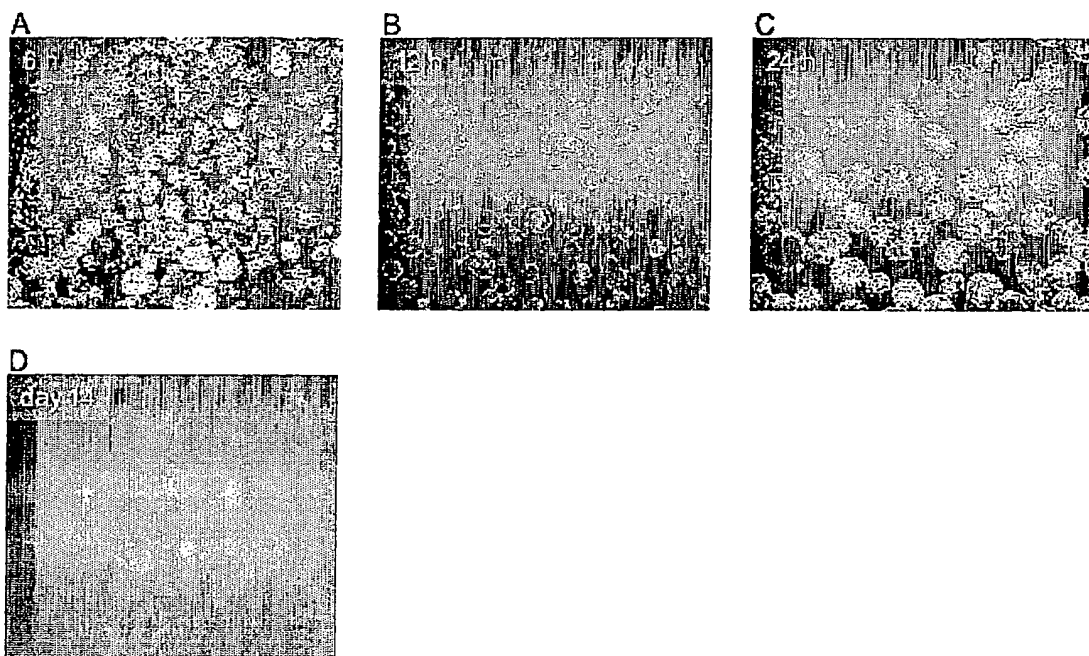


Fig. 4

5/6

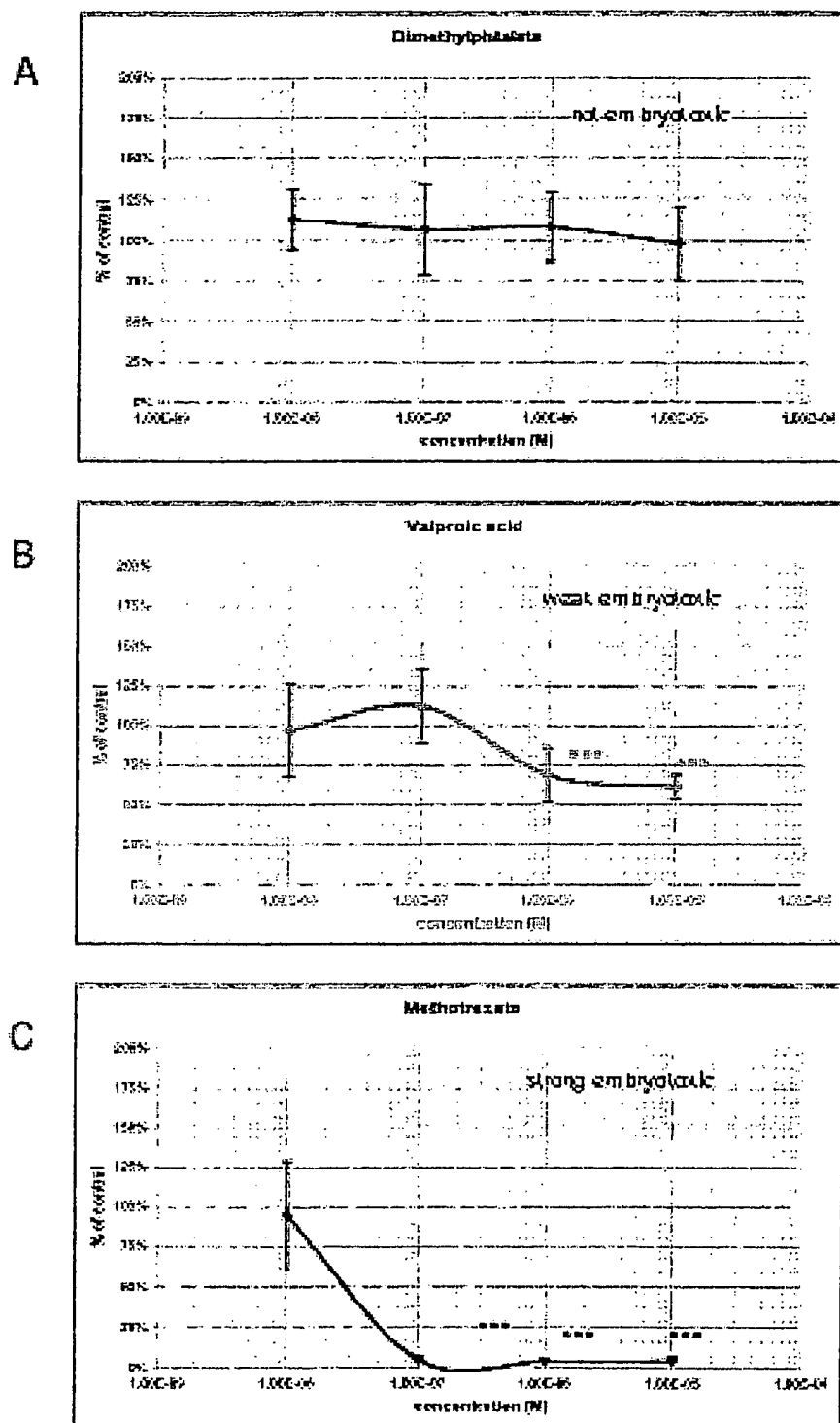


Fig. 5

6/6

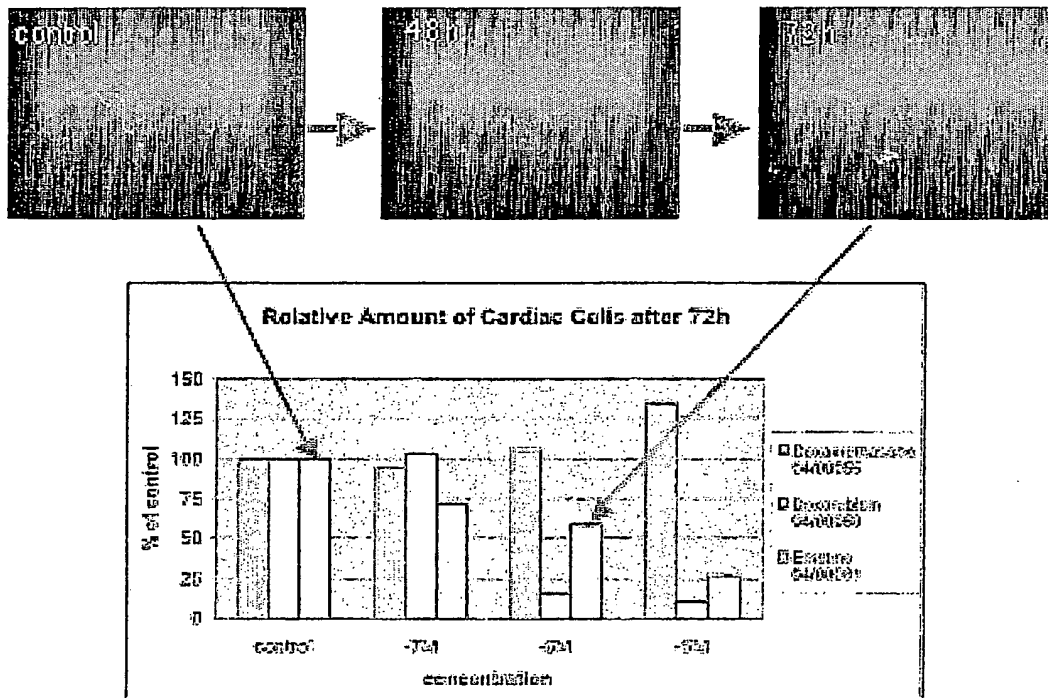


Fig. 6